



CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Adopt resolution authorizing the City Manager to provide a Public Benefits Program Grant in the amount of \$15,562 to fund the Demand-side Management Project for Quashnick Tools Corporation

MEETING DATE: April 4, 2001

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council adopt a resolution authorizing the City Manager to provide a Public Benefits Program Grant in the amount of \$15,562 to Quashnick Tools Corporation as part of a demand-side management project.

BACKGROUND INFORMATION: Quashnick Tool Corporation, located at 401 S. Main Street, has enlisted the services of the City of Lodi Electric Utility to identify energy efficiency improvements at their facility.

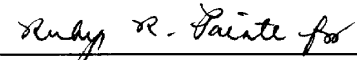
The initial energy conservation measure involves the removal of an existing, 15 year old milling machine, and replacing it with one high efficiency BostoMatic 12 high-speed precision graphite and metal milling machine. The fully-automated unit uses 20% less energy than its predecessor, and completely machines specified graphite and metal parts in roughly half the time of the existing milling machine.


Quashnick Tool Corporation, which has in-house mold making capabilities, is the manufacturer of custom plastic injection molding parts and materials. In business since 1973, the company provides custom plastic parts to clients around the United States and abroad. The purchase of the aforementioned milling machine is also the first phase of a potentially larger energy efficiency improvement effort. With the assistance of the City of Lodi Electric Utility, Quashnick Tool Corporation may, in the future, replace other aging manufacturing equipment with highly efficient process equipment, and retrofit existing lighting systems with energy efficient lighting.

The City of Lodi Electric Utility respectfully recommends approval of this grant to Quashnick Tool Corporation as a qualifying component of the City of Lodi Public Benefits Program, categorized as Demand-side Management)

FUNDING: 164605 – Public Benefits Program Fund (Category: Demand-side Management)

Funding Approval:


Vicky McAthie, Finance Director


Alan N. Vallow
Electric Utility Director

PREPARED BY: Rob Lechner, Manager of Customer Programs

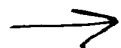
ANV/RL/1st

C: City Attorney

APPROVED:


H. Dixon Flynn - City Manager

April 4, 2001: Addendum to Consent Calendar Items E-21 and E-23



E-21, Public Benefits Program Grant- Quashnick Tools Company Demand-side Management Project (\$15,562)

The grant amount of \$15,562 to Quashnick Tools demand-side management project reflects a 10% contribution from the City of Lodi Public Benefits Program fund. To date, all other demand-side management rebates to commercial & industrial customers have been 25% of the total project cost.

Rationale: In reviewing the scope of work, and the particular equipment to be purchased, it was determined that a 10% Public Benefits Program grant was most appropriate. Quashnick Tools has approximately fourteen (14) milling machines, or similar pieces of equipment, that are utilized in like fashion to the BostoMatic 12 recently purchased (and is the eligible piece of equipment for an energy efficiency rebate). The BostoMatic 12, which is a high efficiency/energy efficient unit, will replace a 15 year old milling machine. However, Quashnick Tools total energy reduction- as a result of replacing one inefficient/aging milling machine- was assessed as nominal. It has been determined that the new BostoMatic 12 consumes 20% less electricity than the existing piece of equipment. After carefully assessing these various factors, it is recommended that a Public Benefits Program grant of less than the traditional 25% is most appropriate for this project (a 10% grant is the requested grant amount).

E-23, Public Benefits Program Grant- Holz Rubber Company Demand-side Management Project (\$25,000)

The grant amount of \$25,000 to Holz Rubber Company's demand-side management project reflects a 25% contribution from the City of Lodi Public Benefits Program fund. This 25% contribution figure was not listed on the original City Council Communication.

In March of this year, Holz Rubber Company approached the Electric Utility Department staff seeking assistance in reducing their overall energy costs. The City of Lodi Electric Utility enlisted the services of Planergy International (formerly Energy Masters International), the city's chosen energy services partner, to provide an immediate solution to Holz Rubber Company's request. Following a day-long visit and assessment of the Holz facility, Planergy International recommended the most advantageous (and simplest to implement) energy efficiency improvement: insulating the hundreds of feet of steam pipe within the plant. The estimated total project cost to Holz Rubber Company, as projected by the aforementioned assessment, is \$100,000.

BostoMatic® 12G: A Complete Graphite Package

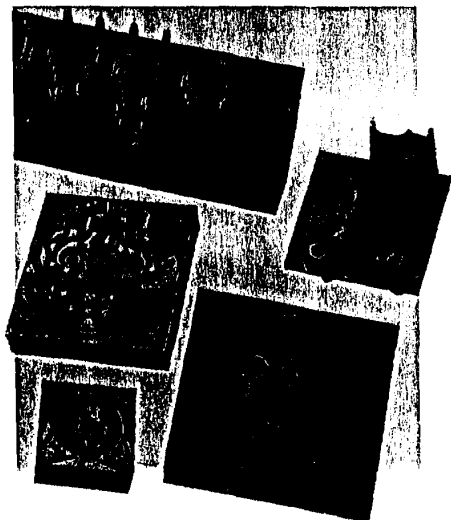
Standard Features

Machine

- Sturdy, bridge construction
- Heavy weight for exceptional rigidity
- 0.5 micron Heidenhain glass scales
- 8 HP 30,000 rpm spindle
- Spindle chiller
- 6-tool ATC
- 800 CFM dust collection system
- Contouring feedrates of 600 IPM

Control

- Command resolution to 6 decimal places
- Contour Optimization software
- Advanced Motion Control technology
- Therm-a-trol® Spindle Growth Compensation
- High capacity hard drive
- 3.5" floppy drive
- Ethernet
- Color touch screen
- Full keyboard



Specifications

Axis Travels

X inches (mm)	15	(380)
Y inches (mm)	15	(380)
Z inches (mm)	10	(255)

Usable Table Area inches (mm)

Without dust box	16 x 13	(410 x 325)
With dust box	13 x 10	(325 x 254)

Table Capacity lbs (kg)

165	(75)
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Feedrates

Rapid in/min (m/min)	600	(15)
Contouring in/min (m/min)	600	(15)

Spindle

HP	8	
Speed RPM	5,000 - 30,000	
Taper	ISO30	
Spindle Nose to Table Top Distance inches (mm)	4.75-14.75	(120-375)

Toolchanger

Stations	6	
Chip-to-Chip Time seconds	14	

Graphite Protection

Fully sealed enclosure, axes, conduits scales, and toolchanger

Graphite Removal System

800 CFM, double-filtered, pulse-cleaned

Accuracies/ISO (Full travel)

Positioning inches (mm)	±.000075	(±.0019)
Repeatability inches (mm)	±.000060	(±.0015)

Accuracies/JIS (Full travel)

Positioning inches (mm)	±.00005	(±.0013)
Repeatability inches (mm)	±.00004	(±.0010)

Dimensions inches (mm)

Machine	40 x 62	(1016 x 1575)
Control	22 x 25	(541 x 635)
Refrigerator	20 x 24	(508 x 610)
Dust Collector	26 x 36	(660 x 914)

Weight lbs (kg)

5000	(2270)
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Total Power Required

230/380 3-phase, 25 KVA (±5%)

Machine Warranty

One year, parts and labor

Options

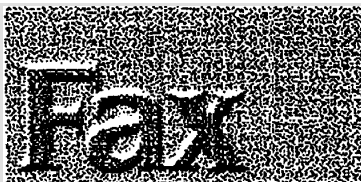
The BostoMatic 12 was designed as a complete, fully equipped system for the high-speed machining of precision graphite and metal parts. Consequently, the only options offered are:

- Air-oil mist lubrication for metal machining
- Removal of dust collection system
- Automatic tool measurement probe
- Remote jog control for easy setups
- Robotic interface



Boston Digital Corporation reserves the right to make product improvements and changes without notice.





Date: January 30, 2001
To: Quashnick Tool Corp.
 Jeanette Quashnick
Phone: 209-334-5283
Fax: 209-334-9846

From: Die/Mold Machinery
 Brian A. Scappaticci
Phone: 510-644-9775
Fax: 510-644-9774
E-mail: bscappatic@aol.com

Pages: 1

Subject: Quote for Demo/Used Bostomatic 12G

We are pleased to offer the following machine for your consideration:

One (1) Bostomatic 12G Graphite Milling Machine [Serial #12G-638, @653 hours]		
Includes one year warranty	\$139,900	\$139,900
One (1) Micro-Lubrication Option	\$ 2,200	\$ 2,200
One (1) Cabled Part Probe	\$ 11,550	\$ 11,550
Two (2) Precise Brand SK25 Toolholders	\$ 625 ea.	\$ 1,250
Three (3) 1/8" Schaublin EX20 Collets	\$ 80 ea.	\$ 240
Three (3) 1/4" Schaublin EX20 Collets	\$ 80 ea.	\$ 240
Three (3) 1/2" Schaublin EX20 Collets	\$ 80 ea.	\$ 240
Total----->	\$155,620	

Machine equipped with 1 toolkit.

Terms: 10% down, net 30 or subsequent financing
F.O.B.: Milford, MA
Delivery: 3-5 Days ARO

Please make your PO and deposit check out to:

Die/Mold Machinery
 1451 Danville Blvd., Suite 101
 Alamo, CA 94507
 925-831-8974 fax

Thank you for considering Bostomatic for your mold making operation. We look forward to providing you with this excellent equipment. Please feel free to call with any questions.

Sincerely,

Brian Scappaticci

RESOLUTION NO. 2001-79

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING
THE CITY MANAGER TO PROVIDE A PUBLIC BENEFITS
PROGRAM GRANT – DEMAND-SIDE MANAGEMENT PROJECT
TO QUASHNICK TOOL CORPORATION

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WHEREAS, the State has mandated that beginning January 1, 1998, the City of Lodi is obligated to fund various programs through a Public Benefits Charge (PBC) based on a historical electric revenue requirement; and

WHEREAS, the requirement amounts to approximately \$1 Million per year that must be dedicated to qualifying programs such as energy efficiency. A further stipulation is that these efforts must be done on the customer's side of the meter in order to qualify; and

WHEREAS, the Electric Utility Department recommends that the City provide a Public Benefits grant in the amount of \$15,562.00 to fund an initial energy conservation measure that involves the removal of an existing 15-year old milling machine, and replacing it with one high-efficiency BostoMatic 12 high-speed precision graphite and metal milling machine; and

WHEREAS, the fully automated unit uses 20% less energy than its predecessor, and completely machines specified graphite and metal parts in roughly half the time of the existing milling machine.

NOW, THEREFORE, BE IT RESOLVED, that the Lodi City Council hereby authorizes the City Manager to provide a Public Benefits Program Grant in the amount of \$15,562.00 to Quashnick Tool Corporation to fund a demand-side management project as set out above.

Dated: April 4, 2001

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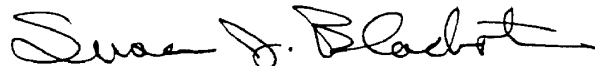
I hereby certify that Resolution No. 2001-79 was passed and adopted by the Lodi City Council in a regular meeting held April 4, 2001 by the following vote:

AYES: COUNCIL MEMBERS – Hitchcock, Land and Mayor Nakanishi

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Howard and Pennino

ABSTAIN: COUNCIL MEMBERS – None



SUSAN J. BLACKSTON
City Clerk

CUSTOM PLASTIC MOLDING
INJECTION



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CAD MOLD DESIGN
Since 1973

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April 18, 2001

Lodi City Council
City of Lodi
P.O. Box 3006
Lodi, CA 95241

RECEIVED
01 APR 23 AM 10:19
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CITY OF LODI

Dear Council Members:

We'd like to express our sincere appreciation to the City Council/City of Lodi for adopting the resolution to grant us \$15,562.00 through the Public Benefits Program for the Demand-Side Management Project.

We feel very fortunate to have received this grant. Thank you.

Sincerely,
QUASHNICK TOOL CORPORATION

A handwritten signature in dark ink, appearing to read "Terry Quashnick", is written over the printed name and title.

Terry Quashnick
President